

AIST Network

Ministry of Education, Culture, Sports, Science and Technology Prize

The Ministry of Education, Culture, Sports, Science and Technology Prize is to be granted to those who have contributed to the promotion of science and technology, producing distinguished achievements and results especially in cultivation of the domestically developed technology. For the year 2001, five researchers of AIST were awarded the prize.

Takashi Iwasaki

Technology Information Department
Research Policy Survey Office

**Development of novel functional materials by
controlling the properties of Smectite interlayer**



Hideyo Okushi

Research Center for Advanced Carbon
Materials Advanced Diamond Team

**Measurements and Analyses on Deep levels due
to defects and impurities in Semiconductors**



Toshio Shinbo

Institute for Materials & Chemical
Process Biomimetic Materials Group

**Development of isomer-separating materials by
use of organic host compounds**



Kenji Tatsumi

Institute for Environmental Management
Technology Advanced Remediation Group

**Development and practical application of an
advanced coagulant that enables metal recycle**



Kenichi Fujii

Metrology Institute of Japan Material
Properties and Metrological Statistics
Division Fluid Properties Section

**Research on the development of
a solid density standard and the determination
of the Avogadro constant**



**The Special Prize at the 30th
Industrial Design Awards /
the Judge Committee's
Special Prize**



Dr. Imai represented AIST at an award ceremony.

Trustee, **Dr. Hidetaka Imai**

The award winning research of combined cycle engine "Research and Development of Combined Cycle Engine for Supersonic Aircrafts" was honoured with the 30th Industrial Design Awards and the Judge Committee's Special Prize, both of which are sponsored by Japan Daily Industrial Newspaper Company (Nikkan Kogyo Shimbun). The same engine is won the Von Karman Award, which is comparable to the Nobel Prize in the aerospace research field.

This research is an international collaborative project "Research and Development Project of Supersonic Transport Propulsion System (HYPR)" (funded by AIST 1989-1999), jointly carried out by both national research institutes and foreign manufacturers.

The 2001 Engelberger Robotics Award

~Technology Development~



Dr. Kazuo Tanie

Director, Intelligent Systems Institute

Dr. Kazuo Tanie, director of the Intelligent Systems Institute was presented the 2001 Engelberger Robotics Award by the International Federation of Robotics (IFR) at the special ceremony during the 32nd International Symposium on Robotics (ISR2001). Named after Dr. Joseph F. Engelberger, the award is the world's most prestigious

honor in the robotics field.

Dr. Tanie specializes in sensory control for industrial robotics and is internationally known for his distinguished achievements in the development of tactile sensor, power sensor and the application of such sensors in robot controllers. He has produced outstanding achievements as a leading researcher of the robotic applications in externally powered prosthetic hand and sensory substitution. He has recently embarked on the research into the application of virtual reality in remote control systems.

Admitted to Fellow of the American Ceramic Society

Dr. Shuzo Kanzaki

Director, Synergy Materials Research Center

The American Ceramic Society conferred the title of Fellow of the Society on Dr. Shuzo Kanzaki, Director of Synergy Materials Research Center at the American Society's 103rd Annual Meeting and Exposition (April 22nd - 25th 2001, Indianapolis, USA). The title is given to an individual who has greatly contributed to growth in academic and scientific researches in ceramic materials and is one of the world's most prestigious honor in the international ceramics community.

